PROGRAM RADA ELEKTRANE 2012 /
POWER PLANTS 2012 PROGRAMME WITH THE TIME TABLE,
ZLATIBOR, 30 October- 2 November 2012

UTORAK / TUESDAY 30.10.2012.

17^{00}	**Svečano otvaranje Međunarodne konferencije ELEKTRANE 2012 / INTERNATIONAL CONFERENCE POWER PLANTS 2012 OPENING CEREMONY** **Pozdravne reči / WELCOME ADDRESS**
	- Predsednika Društva termičara Srbije **Prof.dr. Milana Radovanovića** - Predsednika Organizacionog odbora Elektrane 2012 **dr. Predraga Stefanovića** - Predstavnika državnih institucija: **Prof. dr Radivoj Mitrović,** državni sekretar Ministarstva obrazovanja, nauke i tehnološkog razvoja **Dr Aca Marković,** predsednik Upravnog odbora JP EPSa **Otvaranje skupa / OPENING CEREMONY** - Skup otvara Ministarka energetike Republike Srbije **dr. Zorana Mihailović**
17^{30}	**Uvodna predavanja – Opening Lectures** (Predsedavaju Prof. dr. Milan Radovanović, Prof. dr. Dragoslava Stojiljković, dr. Predrag Stefanović)
	– Mr Adriano Martins, Deputy Head of EU Delegation in Serbia: "Dosadašnje, tekuće i očekivane aktivnosti EU u energetskom sektoru Srbije", ili "Completed, ongoing and expected EU activities in the Energy Sector of Serbia". – Slavtcho Neykov, Director, Energy Community Secretariat EU: "Status energetskog sektora u Srbiji i neophodne mere na putu u Evropsku Uniju" ili "Status of Serbia Energy Sector on the Way to be Part of EU and Necessary Steps" – Ljubo Maćić, Director, Energy Agency of the Republic of Serbia "Energy Prices in Serbia and Security of Supply" – Dr Aca Marković Predsednik Upravnog odbora JP EPSa "Sigurnost snabdevanja Srbije Energijom i regionalna elektroenergetska povezanost Energy Security" – Petar Knežević, Director PD TERMOELEKTRANE NIKOLA TESLA "Povećanje energetske efikasnosti, snage i ekološki projekti u PD TENT-u " – Dragan Jovanović, Director PD TE i R KOSTOLAC "Podizanje tehničke efikasnosti termoenergetskih kapaciteta kao osnov za ostvarenje strateškog programa razvoja površinske eksploatacije lignita i proizvodnje električne energije u Kostolačkom basenu "
19^{30}	**Koktel dobrodošlice / WELCOME COCKTAIL**

SREDA / WEDNESDAY 31.10.2012.
PREPODNEVNI PROGRAM / MORNING PROGRAM:
PLENARNA SALA HOTELA PALISAD / MAIN CONFERENCE ROOM HOTEL PALISAD

9^{00}	**POZIVNA PREDAVANJA / INVITED LECTURES** **Plenarna sala na III spratu Biznis centra** (Predsedavaju: Prof. dr. Dragoslava Stojiljković, dr. Predrag Stefanović, dr. Slobodan Đekić)
$9^{00} – 9^{30}$	Dr Miodrag Mesarović - Energoprojekt Entel, Belgrade, Serbia "Energy Efficiency and Resource Efficiency of Power Plants"
$9^{30} – 9^{50}$	Đorđi Biljanovski, Aleksandar Vlajčić, Predrag Jovanović, Vladimir Koković* - PD TENT, Obrenovac Serbia, *SKF Serbia "Povećanje efikasnosti i pouzdanosti u proizvodnji električne energije optimizacijom efikasnosti osnovnih sredstava"
$9^{50} – 10^{10}$	Volker Schuele, Dirk Renjewski, Olivier Clement, Fabian Bierewirtz - Alstom Power GmbH - Integrated Solutions, Germany "Capacity and efficiency improvement - An Integrated Approach"
$10^{10} – 10^{30}$	Hellmuth Brueggemann, T. M. Marling - ALSTOM Boiler Deutschland GmbH, Germany "Conventional Firing Systems for Future Power Plants"
$10^{30} – 10^{50}$	Dr. Christian Storm, Dr. Stefan Hamel - Babcock Borsig Steinmüller GmbH, Oberhausen, Germany "A modern firing system of a T-Type Steam Generator"
$10^{50} – 11^{10}$	Dr. Georg Gasteiger, Dr. Bernhard Pinkert, Dr. Christian Storm, Frank Adamczyk - Babcock Borsig Steinmüller GmbH, Oberhausen, Germany, Krzysztof Matyskiewicz - PGE, Belchatow, Poljska "Bełchatów - Retrofitting the EU Largest Power Plant Site"
$10^{10} – 11^{30}$	Wieslaw Zablocki, Krzysztof Burek - RAFAKO S.A., Poland "2x900MW Supercritical Units for Opole Power Plant, Poland"
$11^{30} – 12^{00}$	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**
$12^{00} – 12^{30}$	Frank Oberheid D-PM1 Doosan Lentjes GmbH "Thermal Power Generation – Fit for Future with Modern Desulphurisation Systems"
$12^{30} – 12^{50}$	Wolfgang Apelt, Ronald Rost - Vattenfall Europe Power Consult GmbH, Germany "New build Power Plant Projects BOXBERG unit R and MOORBURG units A and B"
$12^{50} – 13^{10}$	Piotr Czerwinski - ALSTOM Power sp. z o.o. w Warszawie, Poland "Technical and economical aspects of steam turbine retrofits"
$13^{10} – 13^{30}$	Volker Schuele, Dirk Renjewski, Olivier Clement, Fabian Bierewirtz - Alstom Power GmbH - Integrated Solutions, Germany "Hybrid or Flexible - Integrated Approach for renewables integration"
$13^{30} – 13^{50}$	Dr. –Eng Daniel Seibt, Ronald Rost - Vattenfall Europe PowerConsult GmbH, Germany "Biomass co-firing in coal boilers on example of the 100 MWe Moabit CFB and waste co-firing in lignite boilers at 500 MWe Jaenschwalde units"
$13^{50} – 14^{10}$	Pascal FONTAINE, Xavier Dhubert - CMI Energy, Switzerland "REPOWERING OLDER PLANTS – The view of the HRSG"
$14^{10} – 14^{30}$	Tobias Bönsel, Dr.Rolf Graf, Bogusław Krztoń - Foster Wheeler Graf Wulff GmbH, Germany "Operating experience of circulating fluidized bed scrubbing technology in utility size power plants and refineries"
$14^{30} – 14^{50}$	Ana Stanič, Engilsh Solicitor E&A Law and Visiting Professor of Energy Law at CEU, Budapest EU Energy infrastructure package and its implications for the SEE
14^{50}	**Pauza za ručak / Lunch break**

16^{00} – 18^{30} KONFERENCIJSKI IZLET / CONFERENCE EXCURSION

MHE POD GRADOM

O Geografskom položaju…

Hidroelektrana "Pod Gradom" nalazi se u Užicu, na reci Đetinji. Prikupivši vode sa obronaka Tare i Zlatibora, Đetinja teče preko Kremanske povši, pa se kroz klisuru spušta do Užica. Odatle, mirnim tokom nastavlja ka istoku. U Požeškom polju sastaje se sa Skrapežom, pa zajedno sa Moravicom čini Zapadnu Moravu. Dužina toka Đetinje je 74 km.

Hidroelektrana je podignuta ispod zidina srednjevekovnog grada Užica, pa je po tome i ponela ime. Kao prva hidroelektrana podignuta u Srbiji, MHE "Pod Gradom" je danas deo turističke ponude ovog kraja. Narodni muzej iz Užica i Elektrodistribucija Užice, koja radi u sastavu Privrednog društva "Elektrosrbija" brinu da svaki turista koji poseti elektranu dobije prave informacije o njoj.

…i elektrani

Ideju profesora Đorđa Stanojevića o korišćenju vodene snage Đetinje prihvatila je, jula 1898. godine, uprava Akcionarskog društva Tkačke radionice u Užicu. Sam kralj Srbije, Aleksandar Obrenović, uz veliku svečanost 3. maja 1899. godine, položio je kamen temeljac i time označio početak izgradnje hidroeleketrane na Đetinji. Elektrana je počela da radi na Svetog Iliju, 2. avgusta 1990. godine. Tog dana Užice je dobilo električno osvetljenje, a Tkačka radionica je bila prvi industrijski objekat u Srbiji koji je za pogon svojih mašina koristio električnu energiju. Radionica je kasnije prerasla u veliki tekstilni kombinat.

Opremu za hidroelektranu odabrao je i naručio Đorđe Stanojević. I to ne bilo kakvu, već onu koja je omogućila primenu Teslinih principa u radu elektrane i u prenosu električne energije. Tu, najsavremeniju opremu trebalo je dopremiti do Užica. Do Kragujevca je nekako i stigla železnicom, a onda je utovarena na rabadzijska kola koja je vuklo šest pari volova, pa se krenulo preko visova Jelice i strmog Pokajnika ka Užicu...

Električnu energiju za osvetljenje svojih domova dobilo je na početku, čak 400 domaćinstava. Užičani su se tada setili reči Mitra Tarabića i njegovog predskazanja da će sinuti "viđelo iz rijeke".

Prva srpska hidroelektrana "Pod gradom" obnovljena je 2000. godine, povodom jubileja, stote godine od puštanja u rad. Tada je obnovljen ceo "krug" elektrane, pa kompleks "Pod gradom" danas predstavlja tehničku, kulturnu i turističku celinu.

Taken from:

"I sinu viđelo iz rijeke" *And there was light over the river*

JP Elektroprivreda SRBIJE, Beograd 2011, ISBN 978-86-7302-030-3

MHE POD GRADOM

The Geographic Location…

The Pod Gradom Hydropower Plant is situated in Uzice, on the Djetinja River. After draining water from the Tara and Zlatibor slopes, the Djetinja River runs through the Kremanska Plateau and a gorge down to Uzice. From there it slowly continues due east. In Pozesko Polje it meets with the Skrapez River, making the Zapadna Morava River together with the Moravica River. It is 74 km long.

The hydropower plant was built below the walls of the medieval town of Uzice where it got its name. As the _ rst hydropower plant built in Serbia, the Pod Gradom SHPP is today is one of the tourist attractions of this area. The National Museum of Uzice and Elektrodistribucija Uzice, operating within the Elektrosrbija Company make sure that every tourist visiting the power is properly informed about it.

…the Power Plant

The idea of Professor Djordje Stanojevic regarding the Djetinja River water utilization was accepted in July 1898 by the management of the Uzice Weaving Mill Joint Stock Company. The king of Serbia, Aleksandar Obrenovic, laid the foundation on 3 May 1899 with a grand ceremony, marking the start of the Djetinja Hydropower Plant construction. The power plant was commissioned on St. Ilija's Day, 2 August 1900. On this day, Uzice got electric lighting, while the Weaving Mill was the first industrial facility in Serbia to use electricity to operate its machines. The Weaving Mill grew to be a large textile factory.

The hydropower plant equipment was selected and ordered by Djordje Stanojevic.Not just any equipment, but the one enabling the application of Tesla's principles in power plant operation and electricity transmission. This state-of-the-art equipment had to be shipped from abroad – Vienna and Budapest to Uzice. It somehow reached Kragujevac by railway, where it was loaded onto a cart drawn by six pairs of oxen which took it over the Jelica Heights and the steep Potajnik Hill to Uzice.

Some 400 households were lit by electricity in the beginning. The people of Uzice then remembered the words of Mitar Tarabic and his prophecy that 'a light will shine from the river'. The first Serbian hydropower plant, Pod Gradom, was revitalised in 2000, on the occasion of its centennial. The entire power plant grounds have been restored, whereby the Pod Gradom HPP today represents a technical, cultural, museum and tourist complex.

20^{30} – 21^{20} KONCERT HORA ZLATIBORSKE VILE/ CONCERT

KONFERENCIJSKI KONCERT / CONFERENCE CONCERT:
Hotel Palisad, Zlatibor 31. 10. 2012 godine

U prepoznatljivom holu Hotela Palisad, svi učesnici Međunarodne konferencije "Elektrane 2012", uživaće u autentičnom nastupu hora "Zlatiborska Vila".

Gradski hor iz Užica - "Zatiborska vila", osnovan je 1910 godine.
1990. godine se osniva "Gradski hor duhovne muzike ", čiji je dirigent bio Vanja Sudzilovski.
1992. godine se osniva Pevačko društvo "Zlatiborska vila", koje postoji i danas.
Od 1992. do 2003. godine horom je dirigovao profesor Zoran Čupić, a od 2003. godine profesorka Gordana Lazić.

Hor je ostvario niz zapaženih nastupa od kojih ćemo izdvojiti samo neke u zadnjoj godini: Narodno pozorište Užice na Užičkim danima, na Saboru horova užičke eparhije u Atenici kod Čačka, u Topoli na manifestaciji "Dani oplenačke berbe 2011", na manifestaciji "Zlatiborsko leto", u Loznici, Temišvaru, Bajinoj Bašti, Gornjem Milanovcu.

2012 godine, hor je dobitnik Oktobarske nagrade grada Užica iz oblasti kulture.

Repertoar: **duhovne i svetovne pesme**

Program koncerta:

* Početak koncerta u **20:30h**,
* pozdravno obraćanje učesnicima kongresa, čitanje teksta i predstavljanje hora
* izvođenje kompozicija: Čajkovski, Kijevsko, Mokranjac, Isidor Bajić. Tamo daleko - aranžman L. M. Gavrilović, Što se bore misli moje - aran man L.M. Gavrilović, Na te mislim - aranžman Marina Adamov, ruske, rumunske, srpske narodne pesme.
* Recitovanje besede

Trajanje koncerta: **40 minuta**

SPECIAL GUEST AT THE CONFERENCE DINNER

Dejan Petrović BIG BAND CONCERT

ČETVRTAK / THURSDAY 01.11.2012.
PREPODNEVNI PROGRAM / MORNING PROGRAM:

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Eksploatacioni problemi Hidroelektrana (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Prof M.Benišek University of Belgrade, Faculty of Mechanical Engineering THE TURBINES MODELS TEST DURING RECONSTRUCTION PLANT FOR PURPOSE OF HYDROPOWER STATION MODERNIZATION AND UPGRADING
9^{30} – 9^{45}	Slobodan Milić, Ana Krička, , Energoprojekt Entel, Belgrade, Serbia INCREASING CAPACITY OF THE EXISTING HYDROELECTRIC POWER PLANTS BY THE INSTALATION OF ADDITIONAL TURBINE GENERATOR SET
9^{45} – 10^{00}	Z. Kovačević, M. Spasojević, A. Ostojić, S. Milić - Energoprojekt-Hidroinženjering, Energoprojekt Entel MATHEMATICAL MODEL OF UNSTEDY FLOW IN IRON GATES RESERVOIRES - BASIS FOR ENERGY PRODUCTION ANALYSIS
10^{00} – 10^{15}	H. Benišek and I. O. Božić, University of Belgrade, Faculty of Mechanical Engineering RECALCULATION OF TOTAL DIMENSIONLESS HYDRAULIC TURBINE MODEL ENERGY LOSSES WITH THE AIM OF DETERMINING PROTOTYPE EFFICIENCY
10^{15} – 10^{30}	Dane D. Džepčeski, Slobodan S. Bogdanović, Dušan B. Arnautović, Vladimir S. Stanojčić, Jelena S. Pavlović - Electrical engineering institute „Nikola Tesla“ a.d., Koste Glavinića 8a, Belgrade, Serbia - Member of University of Belgrade, Dušan M. Trišić, Boris V. Jovanović - PD „Drinsko-Limske hidroelektrane“, Trg Dušana Jerkovića 1, Bajina Bašta, Serbia TESTING OF PARTICIPATION QUALITY OF HYDRO POWER UNIT IN PRIMARY FREQUENCY CONTROL
10^{30} – 10^{45}	Miodrag Arsić*, Srđan Bošnjak**, Bojan Međo*** , Meri Burzić****, Brane Vistać*, Zoran Savić* - *Materials Testing Institute, Bulevar vojvode Mišića 43, Belgrade **Faculty of Mechanical Engineering, The University of Belgrade, Kraljice Marije 16, Belgrade ***Faculty of Technology and Metallurgy, The University of Belgrade, Karnegijeva 4, Belgrade ****Innovation Center of the Faculty of Mechanical Engineering, Kraljice Marije 16, Belgrade INFLUENCE OF THE LOADING REGIMES AND OPERATIONAL ENVIRONMENT ON FATIGUE STATE OF COMPONENTS OF TURBINE AND HYDROMECHANICAL EQUIPMENT AT HYDROPOWER PLANTS
10^{45} – 11^{00}	Nemanja Milojčić, Dušan Arnautović, Zoran Ćirić, Đorđe Stojić, Slavko Veinović, Predrag Ninković, Mladen Ostojić, Blagota Jovanović, Rajko Prole, Dane Džepčeski, Marko Janković, Tomislav Gajić, Dušan Joksimović, Mladen Milošević, Milan Milinković, Jelena Pavlović, Jasna Dragosavac, Vladimir Stanojčić - Elektrotehnički institut "Nikola Tesla", Beograd, Koste Glavinića 8a INTEGRISANI SISTEM ZA AUTOMATIZACIJU MALIH HIDROELEKTRANA
11^{15} – 11^{30}	Saša Dragoljub Milić - Electrical Engineering Institute Nikola Tesla, University of Belgrade, Belgrade, Serbia, Nebojša Karanović, Zoran Kršenković - CE Djerdap Hydroelectric Power Plants Ltd. Serbia LASER MONITORING SYSTEM OF VESSEL DETECTION IN THE LOCK OF HYDROPOWER PLANT
11^{30} – 11^{45}	Marko Janković, Predrag Ninković, Sava Dobričić, Tomislav Gajić, Jasna Dragosavac, Žarko Janda - Electrical Engineering Institute “Nikola Tesla” AUTOMATION OF SMALL HYDROPOWER PLANT “RASKA”
11^{45} – 12^{30}	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Eksploatacioni problemi elektrana (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Dejan Mandić, Milan Ćalović, , Energoprojekt Entel VALORISATION OF EFFECTS OF PUMPED-STORAGE HYDROELECTRIC POWER PLANTS
9^{30} – 9^{45}	Milan Ivanović, Sanja Ivković, Dragan Dabić, Nikola Georgijević, Dragan Popović - Electrical Engineering Institute Nikola Tesla, Koste Glavinića 8a, Belgrade MODELS OF EXCITATION SYSTEMS
9^{45} – 10^{00}	Vojin Kostić - Elektrotehnički institut „Nikola Tesla”, Univerzitet u Beogradu, Beograd, Dragutin Salamon - Elektrotehnički fakultet, Univerzitet u Beogradu, Beograd, Srbija, Aleksandar Pavlović, Saša Milić - Elektrotehnički institut „Nikola Tesla”, Univerzitet u Beogradu, Beograd POBOLJŠANJE U-I METODE ZA MERENJE IMPEDANSE SISTEMA UZEMLJENJA
10^{00} – 10^{15}	Vladimir Đ. Vukić - Institute of Electrical Engineering “Nikola Tesla”, University of Belgrade, Belgrade, Serbia ELECTRICAL CHARACTERISTICS OF VALVE-REGULATED LEAD-ACID BATTERIES AFTER EXPIRY OF HALF OF THE NOMINAL SERVICE LIFE
10^{15} – 10^{30}	Vladimir Đ. Vukić - Institute of Electrical Engineering “Nikola Tesla”, University of Belgrade, Belgrade, Serbia UPGRADE OF THYRISTOR RECTIFIERS IN A THERMAL POWER PLANT “NIKOLA TESLA A”
10^{30} – 10^{45}	N.Kartalović - Institute of Electrical Engineering “Nikola Tesla”, University of Belgrade, Belgrade, Serbia APPLICATION OF PARTIAL DISCHARGE CONDITION ASSESMENT OF TURBO GENERATOR INSULATION SYSTEM
10^{45} – 11^{00}	Ana Milosevic - Institute of Electrical Engineering “Nikola Tesla”, University of Belgrade, Belgrade, Serbia MONITORING OF PARTIAL DISCHARGES ON HYDRO GENERATORS
11^{15} – 11^{30}	dr Miloje Kostić - Electrical Engineering Institute Nikola Tesla, Nikola Georgijević - Electrical Engineering Institute Nikola Tesla, Milan Ivanović - Electrical Engineering Institute Nikola Tesla CONSTRUCTION AND ANALYSIS OF GENERATOR ACTUAL CAPABILITY CURVES USING THE NEW METHOD
11^{30} – 11^{45}	Djordje Stojic - Elektrotehnicki institut "Nikola Tesla", Slavko Veinovic - Elektrotehnicki institut "Nikola Tesla", Milan Milinkovic - Elektrotehnicki institut "Nikola Tesla" EXCITATION CONTROLLER FOR THE SYNCHRONOUS GENERATOR WITH EXCITER
11^{45} – 12^{30}	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Eksploatacioni problemi termoelektrana (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Milan V. Petrović, Miloš Despić, Milan Banjac, Dejan Đukanović, Srđan Milić - University of Belgrade-Faculty of Mechanical Engineering, Belgrade, Đorđi Biljanoski, Milan Petković,Glišo Klasnić, Srđan Josipović, Savo Bezmarević, Dušan Kovačević,Vladimir Paunović - Thermal Power Plant Nikola SOME EXPERIENCES FROM ACCEPTANCE TESTS OF THE STEAM TURBINE IN THERMAL POWER PLANT NIKOLA TESLA A6
9^{30} – 9^{50}	Momir Samardžić - Power Utility of the Republic of Srpska, TPP Ugljevik, Prof. dr Zdravko N. Milovanović - University of Banja Luka, Faculty of Mechanical Engineering, S. Stepanovica 71, Banja Luka ADDITION TO THE OPTIMIZATION OF WORKING PARAMETERS OF TECHNOLOGICAL PROCESS OF THE ELECTRICITY PRODUCTION IN THERMAL POWER PLANTS
9^{50} – 10^{10}	Ninel V. Čukalevski - Institute Mihajlo Pupin*, Energosoft, Digit, Serbia, Dragan Nikolić - JP EPS, Serbia DESIGN AND DEVELOPMENT OF THE TECHNICAL INFORMATION SYSTEM FOR ELECTRICITY UTILITY OPERATIONS AND MAINTENACE SUPPORT, PHASE I
10^{10} – 10^{30}	Nemanja Banjalic, Ivan Gajic, Zoran Stojanovic, Milorad Jovanovic - Thermal power plants Nikola Tesla, P.O. Box 25, 11500 Obrenovac INSTALLATION FOR THE GLAND STEAM CONDENSATE FILTRATION
10^{30} – 10^{50}	Milutin Savićević, dipl. inž., Dragan Živić, dipl. inž., Slaviša Jotov, dipl. inž., Zoran Stojković, dipl. inž - PD TEKO, Kostolac, Bojan Papić, dipl. inž., Miroslav Crnčević, dipl. inž. - Institut „Mihajlo Pupin“, Beograd CONTRIBUTION OF THE COMPANY “IMP- AUTOMATION AND CONTROL SYSTEMS” TO THE REALIZATION OF THE ADAPTATION OF THE BLOCK B2 OF TPP KOSTOLAC
10^{50} – 11^{10}	Dragan V. Kalaba, Milan Lj. Đorđević - Faculty of Tehnical Sciences, University of Priština, Kneza Miloša 7, Kosovska Mitrovica, Serbia, Zoran J. Radaković - Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, Belgrade, Serbia, Snežana D. Kirin - Innovation Centre of the Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, Belgrade, Serbia DETERMINING THE AVAILABILITY FUNCTION OF THE THERMAL POWER SYSTEM IN POWER PLANT "NIKOLA TESLA, BLOCK A4"
10^{10} – 11^{30}	Dane Džepčeski - Elektrotehnički institut "Nikola Tesla" a.d. ISPITIVANJE KVALITETA UČEŠĆA TERMOAGREGATA U PRIMARNOJ REGULACIJI UČESTANOSTI
11^{45} – 12^{30}	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Eksploatacioni problemi termoelektrana - materijali (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Vera Šijački Žeravčić, Gordana Bakić, Miloš Đukić - Mašinski fakultet Univerziteta u Beogradu, Kraljice Marije 16, 11120 Beograd, Biljana Anđelić - Tehnički fakultet Čačak Univerziteta u Kragujevcu, Svetog Save 65, 32000 Čačak, Bratislav Rajičić - Mašinski fakultet Univerziteta u Beogradu, Kraljice Marije 16, 11120 Beograd POVOLJNE I NEPOVOLJNE KARAKTERISTIKE RAZNORODNIH ZAVARENIH SPOJEVA ČELIKA X10CRMOVNB91
9^{30} – 9^{45}	Gordana Bakić, Vera Šijački Žeravčić, Miloš Đukić, Bratislav Rajičić - Mašinski fakultet Univerziteta u Beogradu, Kraljice Marije 16, 11120 Beograd, Biljana Anđelić - Tehnički fakultet Čačak Univerziteta u Kragujevcu, Svetog Save 65, 32000 Čačak NEKE OSOBINE KLJUČNE ZA POUZDANU EKSPLOATACIJU TOPLOTNO POSTOJANOG ČELIKA KLASE 1.25CR1MO0.3V
9^{45} – 10^{00}	Bratislav Rajičić, Gordana Bakić, Miloš Djukić, Vera Šijački Žeravčić - Mašinski fakultet Univerziteta u Beogradu, Kraljice Marije 16, 11120 Beograd, Milenko Braunović - MB Interface Inc, 5975 Av De L'authion Bureau 503, Montreal, Quebec, Canada, Biljana Andjelić - Tehnical Faculty Čačak, University of Kragujevac, Svetog Save 65, 32000 Čačak OVERVIEW OF ADVANCED METHODS OF BOILER TUBES EROSION PROTECTION
10^{00} – 10^{15}	Gordana Bakić, Bratislav Rajičić, Miloš Đukić, Vera Šijački Žeravčić - Mašinski fakultet Univerziteta u Beogradu, Kraljice Marije 16, 11120 Beograd, Momčilo Kokanović - BSK d.o.o. Obrenovac , M. Janićijević - MORSAD Topola, Biljana Anđelić - Tehnički fakultet Čačak Univerziteta u Kragujevcu, Svetog Save 65, 32000 Čačak EROZIONA I ABRAZIONA SVOJSTVA LEGIRANOG BELOG LIVENOG GVOŽĐA I MOGUĆNOSTI PRIMENE NA TE POSTROJENJIMA
10^{15} – 10^{30}	Miloš Djukic, Vera Šijački Žeravčić, Gordana Bakić - Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade , Biljana Andjelić - Tehnical Faculty Čačak, University of Kragujevac, Svetog Save 65, 32000 Čačak, Bratislav Rajičić - Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade CURRENT STATE OF THE ART IN HYDROGEN EMBRITTLEMENT MECHANISMS OF BOILER TUBES
10^{30} – 10^{45}	Sonja Vidojkovic - Termoelektrane "Nikola Tesla" ROLE OF ELECTROKINETIC PROPERTIES OF CORROSION PRODUCTS IN PREVENTION AND CONTROLLING DEPOSITION IN WATER/STEAM CYCLE OF THERMAL POWER PLANTS
10^{45} – 11^{00}	DSc Goce Vasilevski Scientific institution MINING INSTITUTE,Skopje – energetika SPEED OF TEMPERATURE CHANGE OF IN CONSTRUCTION MATERIALS DURING TIME VARYING HEAT TRANSFER
11^{15} – 11^{30}	DSc. Goce Vasilevski Scientific institution MINING INSTITUTE, Skopje – energetika ACCELERATION OF TEMPERATURE CHANGE IN CONSTRUCTION MATERIALS DURING TIME VARYING HEAT TRANSFER
11^{45} – 12^{30}	**Pauza za kafu u holu ispred štandova sponzora / Coffee break**

ČETVRTAK / THURSDAY 01.11.2012.
POZIVNA PREDAVANJA / INVITED LECTURES:

12^{30}	**POZIVNA PREDAVANJA / INVITED LECTURES** **Plenarna sala na III spratu Biznis centra**
12^{30} – 13^{00}	G.H. Kanevče - Macedonian Academy of Sciences and arts, L.P. Kanevce - Faculty of Technical Sciences, Bitola, Republic of Macedonia POSSIBILITIES FOR MEETING THE MACEDONIAN ELECTRICITY NEEDS IN THE PERIOD UNTIL 2030
13^{00} – 13^{20}	Prof. Milovan Studović PhD, retired full professor - University of Belgrade, Mechanical Engineering Faculty ORIGIN AND NATURE OF THE "IMPOSED'' OPTIONS FOR ENERGY SECTOR DEVELOPMENT IN EU AND SEE COUNTRIES
13^{20} – 13^{40}	P. Radovanović, M. Jovanović and A. Erić - VINČA Institute Laboratory for Thermal Engineering and Energy, Belgrade University, POB 522, 11001 Belgrade, Serbia OPPORTUNITIES OF SOLID RENEWABLE FUELS FOR CO-COMBUSTION WITH COAL IN POWER PLANTS IN SERBIA
13^{40} – 14^{00}	Miloš Teleky - process engineer senior, SES Tlmače, Dalibor Cucor - Commercial director, SES Tlmače, Peter Gaži - project manager, SES Tlmače EXPERIENCES FROM OPERATION OF FLUIDIZED BED BOILERS FOR COMBUSTION OF LOCAL LIGNITE OF LOW HEATING VALUE IN TURKEY, COMPARISON OF TURKISH AND SERBIAN LIGNITES
14^{00} – 14^{20}	Vojislav VULETIĆ, PhD, Prof. Nenad ĐAJIĆ, PhD - Gas Association Serbia, Belgrade GAS PIPELINE „SOUTH STREAM" AS A CHANCE FOR COMBINED HEAT AND POWER GENERATION IN SERBIA
14^{20} – 14^{40}	Zoran Bakić, Ministarstvo finasija i privrede Republike Srbije, Branislav Kovačević, JP Elektroprivreda Srbije, Ilija Kovačević, Pro-ING d.o.o. Beograd "TEHNIČKA REGULATIVA REPUBLIKE SRBIJE"
14^{40}	**Pauza za ručak / Lunch break**

09^{00}– 14^{40}	**Poster sesija / Poster session**

20^{30}	**KONFERENCIJSKA SVEČANA VEČERA / CONFERENCE DINNER**

Poster sesija / Poster session

P1.	Mr Nikola Počuča - ENBIMA Institut, Beograd Prof. dr Gordana Dražić - Fakultet za primenjenu ekologiju FUTURA, Univerzitet Singidunum, Beograd THE PRODUCTION AND BURNING OF BIOMAS AS AN OPTION TO THE REDUCTION OF ENERGY-DEPENDANT CO2 EMISSION
P2.	Dejan Momčilović, Ivana Atanasovska, Radivoje Mitrović - Institute for testing of materials IMS, Bulevar vojvode Misića 43, 11000 Belgrade, Serbia, Methodology of Comprehensive Failure Analysis of Mechanical Systems in Electric Power Industry
P3.	Gordana Kastratović, Nenad Vidanović - University of Belgrade, Faculty of Transport and Traffic Engineering, Vojvode Stepe 305, 11000 Belgrade, Serbia Vukman Bakić, Milada Pezo, Zoran Marković - University of Belgrade, Vinca Institute of Nuclear Science, Laboratory for Thermal and Energy Research, PO.Box 522, 11000 Belgrade, Serbia CROSS SECTION OPTIMIZATION OF A GUYED MAST UNDER WIND LOADING
P4.	Milena Milojević, Nikola Krajnović,Vesna Petkovski, Đorđe Čović - Institut „Mihajlo Pupin - Automatika", Volgina 15, Beograd, Srbija MODEL VAZDUŠNOG I DIMNOG TRAKTA PARNOG KOTLA ZA POTREBE SIMULATORA-TRENAŽERA TERMOELEKTRANE
P5.	Nebojša Radmilović - Institut „Mihajlo Pupin - Automatika", Volgina 15, Beograd, Srbija Ivan Nikolić - Institut „Mihajlo Pupin - Automatika", Volgina 15, Beograd, Srbija Ljubiša Jovanović - Institut „Mihajlo Pupin - Automatika", Volgina 15, Beograd, Srbija Nebojša Panjevac - Institut „Mihajlo Pupin - Automatika", Volgina 15, Beograd, Srbija ANALIZA RADA ADAPTIVNIH ALGORITAMA REGULACIJE ODRŽAVANjA BROJA OBRTAJA PARNIH TURBINA SNAGE 210MW
P6.	Vukman Bakić, Saša Stojković - 1. University of Belgrade, Institute Vinča, Laboratory for Thermal and Energy Research, Belgrade, Serbia, 2. University of Kragujevac, Technical Faculty, Čačak, Serbia ANALYSIS OF STAND-ALONE HYBRID WIND-PHOTOVOLTAIC SYSTEM FOR POWER SUPPLY OF METEOROGICAL MAST
P7.	Andrijana D. Stojanović, Srđan V. Belošević, Branislav D. Stanković, Nenad Đ. Crnomarković, Ivan D. Tomanović, Vladimir B. Beljanski - Institut za Nuklearne nauke Vinča PREGLED SUVIH POSTUPAKA ODSUMPORAVANJA DIMNIH GASOVA KOTLOVA NA SPRAŠENI UGALJ
P8.	Nikola Mirkov, Vukman Bakic, Milada Pezo - Laboratorija za termotehniku i energetiku, Institut za nueklarne nauke „Vinca", Univerzitet u Beogradu, Srbija Sasa Kenjeres - Department of Multi-scale Physics, Delft University of Technology, Delft, The Netherlands SIMULACIJA TURBULENTNOG STRUJANJA NAD KOMPLEKSNIM TERENOM SA PRIMENAMA U ENERGETSKOM SEKTORU
P9.	Vujo I. Miljevic - Institut Vinca UGLJEN DIOKSID (CO2) - GAS SA EFEKTOM STAKLENE BAŠTE
P10.	Željko Gagić, Mihailo Nikolić, Savo Bezmarević, Nemanja Samardžić; Nebojša Radmilović, Nikola Krajnović, Vanja Čukalevski - " Termoeletrana Nikola Tesla A"- Obrenovac; "Institut Mihajlo Pupin"- Beograd DINAMIČKI MATEMATIČKI MODEL KONDENZACIONE PARNE TURBINE SA BAJPASIMA VISOKOG I NISKOG PRITISKA

P11.	Branislav Stanković*, Miroslav Sijerčić*, Srđan Belošević*, Svetislav Čantrak** - Institut za nuklearne nauke „Vinča“, Univerzitet u Beogradu, Laboratorija za termotehniku i energetiku, Mihajla Petrovića Alasa 12-14, p. fah 522, 11001 Beograd, Srbija* Mašinski fakultet Univerziteta u Beogradu, Kraljice Marije 16, 11120 Beograd 35, Srbija** ZIDNE FUNKCIJE U SKLOPU MODELA TURBULENTNOG STRUJANJA U KANALU
P12.	Milada Pezo, Vukman Bakić, Zoran Marković - University of Belgrade, Vinca Institute of Nuclear Science, Laboratory for Thermal and Energy Research, P.O.Box 522, 11000 Belgrade, Serbia Gordana Kastratović - University of Belgrade, Faculty of Transport and Traffic Engineering, Nenad Vidanović - University of Belgrade, Faculty of Transport and Traffic Engineering STABILITY ANALYSIS OF A GUYED MAST
P13.	Goran Živković*, Dragoljub Dakić**, Nedžad Rudonja***, Branislav Repić - *Vinča Institute of Nuclear Sciences, Laboratory for Thermal Engineering and Energy **Innovative Center of the Faculty of Mechanical Engineering, Belgrade ***Faculty of Mechanical Engineering, University of Belgrade EXPERIMENTAL RESEARCH OF THERMAL PROCESSES IN THE THERMAL STORAGE TANK WITH A PHASE CHANGE MEDIUM
P14.	Stevan Đ. Nemoda, Milica R. Mladenović, Aleksandar M. Erić, Dejan M. Đurović - University of Belgrade, Institute of Nuclear Sciences "Vinča", Laboratory for Thermal Engineering and Energy P. O. Box 522, 11001 Belgrade, Serbia Dragoljub V. Dakić - Univ. of Belgrade, Faculty of Mech. Engineering, Innovation Centre, Kraljice Marije 16, 11120 Belgrade 35, Serbia Mirko S. Komatina - University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11120 Belgrade, Serbia NUMERICAL SIMULATION OF GAS AND LIQUID FUEL FEEDING IN A FLUIDIZED BED USING FLUID-POROUS MEDIA MODEL AND TWO-FLUID EULER-EULER GRANULAR FLOW MODEL
P15.	D.Djurovic, S.Nemoda,B.Repic - University of Belgrade, Institute of Nuclear Sciences ‘‘Vinca’’, Laboratory for Thermal Engineering and Energy, P.O. Box 522, 11001 Belgrade, Serbia D.Dakic - University of Belgrade, Faculty of Mechanical Engineering, Innovation Centre, Kraljice Marije 16, 11120 Belgrade 35, Serbia OPTIMIZATION OF THE FURNACE FOR BIOMASS COMBUSTION
P16.	Aleksandar Eric, Stevan Nemoda - University of Belgrade, Institute of Nuclear Science Vinca, Laboratory for Thermal Engineering and Energy, P.O.Box 522, 11001 Belgrade Mirko Komatina - University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 19, Belgrade, Serbia Dragoljub Dakic - University of Belgrade, Faculty of Mechanical Engineering, Innovation Centre, Kraljice Marije 19, Belgrade, Serbia Branislav Repic, Milica Mladenovic - University of Belgrade, Institute of Nuclear Science Vinca, Laboratory for Thermal Engineering and Energy, P.O.Box 522, 11001 Belgrade COMPARISON OF 2D AND 3D MODELING OF TRANSPORT PHENOMENA WITHIN BALED AGRICURTURAL RESIDUES COMBUSTION
P17.	Vuk Spasojević - Institute for Nuclear sciences "Vinča", Laboratory for Thermal Engineering and Energy Mirjana Kijevčanin - Faculty of technology and metallurgy, University of Belgrade Nikola Živković, Dejan Cvetinović, Milić Erić - Institute for Nuclear sciences "Vinča", Laboratory for Thermal Engineering and Energy REVIEW OF TECHOLOGICAL METHODS FOR FLUE GASES CARBON DIOXIDE REMOVAL IN POWER PLANTS
P18.	Vuk Spasojević - Institute for Nuclear sciences "Vinča", Laboratory for Thermal Engineering and Energy Nikola Živković, Predrag Stefanović, Borislav Grubor - University of Belgrade, Institute for nuclear sciences “Vinča”, Laboratory for thermal engineering and energy, P.O. BOX 522, 11001 Belgrade, Republic of Serbia Slobodan Đekić - Public Enterprise Electric Power Industry of Serbia,Department for Strategy and Investments, Vojvode Stepe 412, 11000 Beograd Zoran Marković - University of Belgrade, Institute for nuclear sciences “Vinča”, Laboratory for thermal engineering and energy, P.O. BOX 522, 11001 Belgrade, Republic of Serbia ENERGY POTENTIAL OF WASTE MATERIALS GENERATED FROM COAL PRODUCTION IN KOLUBARA BASIN MINES
P19.	Nikola Živković - Belgrade University, Institute for Nuclear Sciences “Vinča”, Laboratory for thermal engineering and energy Slobodan Šerbanović, Mirjana Kijevčanin, Emila Živković - Belgrade University, Faculty of Technology and Metallurgy Vuk Spasojević, Milić Erić - Belgrade University, Institute for Nuclear Sciences “Vinča”, Laboratory for thermal engineering and energy PROCESSES REVIEW FOR REMOVAL OF SULFUR OXIDES FROM FLUE GAS STATIONARY POWER PLANT

P20.	Milica Mladenović, Dragoljub Dakić, Stevan Nemoda, Aleksandar Erić, Dejan Đurović, Milijana Paprika - Univerzity of Belgrade, Institute of Nuclear Sciences "Vinča", Laboratory for Thermal Engineering and Energy, 11000 Belgrade, Serbia Mirko Komatina - Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade A PAPER WASTE COMBUSTION IN A DEMO- INDUSTRIAL FACILITY WITH FB
P21.	Šefik Bajmak, Prof. dr. - Fakultet tehničkih nauka Univerziteta u Prištini ANALYSIS OF ENERGY AND ECONOMIC EFFICIENCY AND COMBINED COMPLEX SYSTEM (HEAT PUMP) IN SYSTEM OF CENTRALIZED SUPPLY WITH HEATING AND COOLING ENERGY
P22.	Ivan Lazović, Žarko Stevanović, Valentina Turanjanin, Borislav Grubor, Sandra Stefanović, Nikola Mirkov, Nenad Stepanić - University of Belgrade, Serbia, Institute of Nuclear Sciences „Vinča", Laboratory for Thermal Engineering and Energy MEASUREMENT OF THE ENERGY ENVELOPE FEATURES OF THE PRIMARY SCHOOL " LJUBICA RADOSAVLJEVIĆ – NADA" IN ZAJEČAR
P23.	Predrag Škobalj - Univerzitet u Beogradu, Institut za Nuklearne nauke "Vinča", Laboratorija za termotehniku i energetiku Mirjana Kijevčanin - Univerzitet u Beogradu, Tehnološko metalurški fakultet Naim Afgan - Instituto Superior Technico, Lisbon, Portugal Predrag Radovanović - Univerzitet u Beogradu, Institut za Nuklearne nauke "Vinča", Laboratorija za termotehniku i energetiku INDIKATORI ODRŽIVOG RAZVOJA BLOKOVA TE KOLUBARA-A SNAGE 32 MW
P24.	Rastko Jovanović, Milić Erić, Vuk Stanojević, Nikola Živković, Zoran Marković - University of Belgrade, VINCA Institute of Nuclear Sciences, Laboratory for Thermal Engineering and Energy, P.O.Box 522, 11001 Belgrade, Serbia Numerical Investigation of Swirl Generator Influence on Coal Particles Distribution and Residence Time Inside Laboratory Scale Experimental Burner Channel
P25.	Rastko Jovanović, Dejan Cvetinović, Predrag Stefanović - University of Belgrade, VINCA Institute of Nuclear Sciences, Laboratory for Thermal Engineering and Energy, P.O.Box 522, 11001 Belgrade, Serbia Boško Rašuo, Miroljub Adžić - University of Belgrade, Mechanical Engineering Faculty, Kraljice Marije 16, 11120 Belgrade 35, Serbia AN INVESTIGATION OF DIFFERENT DEVOLATILISATION KINETIC FACTORS FOR NUMERICAL MODELING OF SERBIAN LIGNITE COMBUSTION
P26.	Rastko Jovanović, Dejan Cvetinović, Predrag Stefanović, Predrag Škobalj, Zoran Marković - University of Belgrade, VINCA Institute of Nuclear Sciences, Laboratory for Thermal Engineering and Energy, P.O.Box 522, 11001 Belgrade, Serbia DEVELOPMENT of COAL PARTICLES FRAGMENTATION MODEL for INCLUSION in CFD CODES for PULVERIZED COAL GASIFICATION USING LOW TEMPERATURE AIR PLASMA
P27.	M. Erić, Z. Marković, P. Škobalj, D. Cvetinović, V. Spasojević, P. Stefanović - University of Belgrade, Institute of Nuclear Sciences Vinca, P.O. Box 522, 11001 Belgrade, Serbia INVESTIGATION ON WORKING CONDITIONS OF COLD FLUE GASES FANS AT STEAM BOILER OF THE TPP "UGLJEVIK"
28.	Predrag Stefanović, Zoran Marković, Milić Erić, Dejan Cvetinović, Predrag Skobalj, Vuk Spasojević - University of Belgrade, Institute for Nuclear sciences "Vinča", Laboratory for Thermal Engineering and Energy Carbon Dioxide Emission From Thermal Power Plant Nikola Tesla A

PETAK / FRIDAY 02.11.2012.
PREPODNEVNI PROGRAM / MORNING PROGRAM:

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Ekološki aspekti rada elektrana (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Prof. Dr Slobodan Vukosavić - School of Electrical Engineering University of Belgrade, Dr Željko Despotović - Mihajlo Pupin Institute, University of Belgrade, M.Sc. Nikola Popov - School of Electrical Engineering University of Belgrade THE MULTI RESONANT POWER CONVERTER TOPOLOGY FOR SUPPLYING ELECTROSTATIC PRECIPITATORS ON THERMAL POWER PLANTS
9^{30} – 9^{45}	mr Kemal Bečić, dipl.ing. - JP Elektroprivreda BiH, Podružnica Termoelektrana "Kakanj", Kakanj, Enez Đakovac, dipl.ing. - JP Elektroprivreda BiH, Podružnica Termoelektrana "Kakanj", Kakanj EFEKTI UGRADNJE VREĆASTIH FILTERA NA BLOKOVIMA 110 MWE U TERMOELEKTRANI „KAKANJ“
9^{45} – 10^{00}	M. Erić*, Z. Marković*, P. Škobalj*, D. Cvetinović*, P. Stefanović*, **M.Petković, **D Stanković - *University of Belgrade, Institute of Nuclear Sciences Vinča, P.O. Box 522, 11001 Belgrade, Serbia **JP EPS PD TENT 11500 Obrenovac, Serbia REDUCTION OF PARTICULATE MATTER EMISSION AFTER ELECTROSTATIC PRECIPITATORS RECONSTRUCTION AT UNIT A6 OF THE TPP “NIKOLA TESLA”
10^{00} – 10^{15}	Mr Branislava Jovanović, Mr Vladana Rajaković-Ognjanović - Građevinski fakultet, Univerzitet u Beogradu, Bulevar Kralja Aleksandra 73,IZ1 000 Beograd, Dr Ljubinka Rajaković - Tehnološko-metalurški fakultet, Univerzitet u Beogradu, Karnegijeva 4, 11 000 Beograd WASTEWATER IN THERMAL POWER PLANT, CASE STUDY: TPP „KOSTOLAC”
10^{15} – 10^{30}	Vladimir Jovanović - Univerzitet u Beogradu, Mašinski fakultet PRIMENA FAKTORA GORIVA ZA PRORAČUN PROTOKA DIMNIH GASOVA U TE OBRENOVAC
10^{30} – 10^{45}	Dr Željko Despotović - Mihajlo Pupin Institute, University of Belgrade, Dr Aleksandar Ribić - Mihajlo Pupin Institute, University of Belgrade THE CONTROL OF ELECTROMAGNETIC VIBRATORY ACTUATORS FOR EFFICIENT FLOW OF DUST PARTICULATE FROM THE COLLECTING HOPPERS OF ELECTROSTATIC PRECIPITATORS
10^{45} – 11^{00}	Dr Željko Despotović - Mihajlo Pupin Institute, University of Belgrade, M.Sc. Marija - JankovićMihajlo Pupin Institute, University of Belgrade, Dr Vladimir Šinik - Tehnical Faculty “Mihajlo Pupin”- Zrenjanin, University of N.Sad THE SPECTRAL COMPOSITION OF THE INPUT CURRENT OF VIBRATORY CONVEYING DRIVES AND THEIR EFFECTS ON POWER SUPPLY NETWORK
11^{15} – 11^{30}	Predrag M. Živković - Univerzitet u Nišu, Mašinski fakultet, Aleksandra Medvedeva 14, Niš, Srbija, Mladen A. Tomić - Visoka tehnička škola strukovnih studija Aleksandra Medvedeva 20, Niš, Srbija, Gradimir S. Ilić - Univerzitet u Nišu, Mašinski fakultet, Aleksandra Medvedeva 14, Niš, Srbija, Aleksandra D. Boričić - Visoka tehnička škola strukovnih studija Aleksandra Medvedeva 20, Niš, Srbija COMPARATIVE METHODOLOGY FOR CONTINUOUS AIR QUALITY MONITORING IN THE CITY OF NIŠ
11^{30} – 11^{45}	Mladen A. Tomić - Visoka tehnička škola strukovnih studija Aleksandra Medvedeva 20, Niš, Srbija, Predrag M. Živković - Univerzitet u Nišu, Mašinski fakultet, Aleksandra Medvedeva 14, Niš, Srbija, Ivan T. Ćirić - Univerzitet u Nišu, Mašinski fakultet, Aleksandra Medvedeva 14, Niš, Srbija, Boban T. Cvetanović - Visoka tehnička škola strukovnih studija Aleksandra Medvedeva 20, Niš, Srbija, Žarko M. Stevanović - Institut za nuklearne nauke Vinča, Laboratorija za termotehniku i energetiku, Poštanski fax 522, 11001 Beograd, Srbija INTELIGENT SYSTEM FOR TRAFFIC INDUCED AIR POLLUTION ESTIMATION
11^{45} – 12^{30}	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Energy resources and sustainable development / Energetski resursi i održivi razvoj (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Prof. dr Zdravko N. Milovanović, Prof. dr Darko Knežević, Doc. dr Aleksandar Milašinović - Univerzitet U Banjoj Luci, Mašinski fakultet Banja Luka, S. Stepanovića 71, 78000 Banja Luka Svetlana Dumonjić-Milovanović - Partner inženjering doo, Kralja Nikole 25, 78000 Banja Luka Jovan Škundrić - Univerzitet U Banjoj Luci, Mašinski fakultet Banja Luka, S. Stepanovića 71, 78000 Banja Luka ANALYSIS OF THE WIND ENERGY POTENTIAL ON THE LOCATION OF THE MOUNTAIN ROCK TRUSINA IN REPUBLIKA SRPSKA
9^{30} – 9^{45}	Vladimir Mijakovski - University “Sv. Kliment Ohridski”, Faculty of Technical Sciences, Ivo Lola Ribar bb, Bitola, Republic of Macedonia, Vangelče Mitrevski - University “Sv. Kliment Ohridski”, Faculty of Technical Sciences, Ivo Lola Ribar bb, Bitola, Republic of Macedonia, Kire Popovski - University “Sv. Kliment Ohridski”, Faculty of Technical Sciences, Ivo Lola Ribar bb, Bitola, Republic of Macedonia, Nikola Mijakovski - xSoft engineering, Arhimedova bb, Skopje, Republic of Macedonia POSSIBILITIES AND PERSPECTIVES FOR UTILIZATION OF MUNICIPAL SOLID WASTE (MSW) AS RENEWABLE ENERGY SOURCE IN THE REPUBLIC OF MACEDONIA
9^{45} – 10^{00}	Jasna Grujić and Maja Stipić - Energoprojekt Entel DESIGN, CONSTRUCTION AND COMMISSIONING OF PHOTOVOLTAIC SOLAR POWER PLANTS ON THE ROOF OF BUILDINGS
10^{00} – 10^{15}	Suzana Kostić - Electrical Engineering Institute "Nikola Tesla" PRODUCTION COSTS OF ELECTRIC ENERGY FROM RENEWABLE ENERGY SOURCES
10^{15} – 10^{30}	Prof. dr Zdravko N. Milovanović* - Univerzitet U Banjoj Luci, Mašinski fakultet Banja Luka, S. Stepanovića 71, 78000 Banja Luka, Momir Samardžić* - MH Elektroprivreda Republike Srpske, ZP RiTE Ugljevik*, Svetlana Dumonjić-Milovanović - Partner inženjering doo, Kralja Nikole 25, 78000 Banja Luka, Prof. dr Darko Knežević - Univerzitet U Banjoj Luci, Mašinski fakultet Banja Luka, S. Stepanovića 71, 78000 Banja Luka, Mr Vinko Babić - Univerzitet U Banjoj Luci, Mašinski fakultet Banja Luka, S. Stepanovića 71, 78000 Banja Luka EKOLOŠKI ASPEKTI RADA POSTROJENJA U TEHNOLOŠKOM SISTEMU PROIZVODNJE ELEKTRIČNE ENERGIJE U VJETROELEKTRANAMA
10^{30} – 10^{45}	Zarko Stevanovic - Laboratorija za termotehniku i energetiku, Institut za nueklarne nauke „Vinca“, Univerzitet u Beogradu, Srbija, Nikola Mirkov - Laboratorija za termotehniku i energetiku, Institut za nueklarne nauke „Vinca“, Univerzitet u Beogradu, Srbija, Zana Stevanovic - Laboratorija za termotehniku i energetiku, Institut za nueklarne nauke „Vinca“, Univerzitet u Beogradu, Srbija METODOLOGIJA ZA PROCENU EKSTREMNE BRZINE VETRA NA OSNOVU EKSPERIMENTALNIH PODATAKA
10^{45} – 11^{00}	Jovan Škundrić, Prof. dr Zdravko N. Milovanović - Univerzitet u Banjoj Luci, Mašinski fakultet UTICAJ STANDARDNE DEVIJACIJE BRZINE NA EFIKASNOST EKSPLOATACIJE ENERGIJE VJETRA
11^{15} – 11^{30}	Dejan Mitrović - Masinski fakultet Nis, Branislav Stojanović - Masinski fakultet Nis, Jelena Janevski - Masinski fakultet Nis, Marko Ignjatović - Masinski fakultet Nis, Mirko Stojiljković - Masinski fakultet Nis EFFECT OF IMPLEMENTATION OF HEAT STORAGE IN BIOMASS DISTRICT HEATING SYSTEM
11^{30} – 11^{45}	Jelena POPOVIĆ, dipl.ing. - Intellectual Property Office, Kneginje Ljubice 5, Belgrade, Serbia USE OF RENEWABLE ENERGY RESOURCES OBSERVED THROUGH PATENT DOKUMENTACION
11^{45} – 12^{30}	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Eksploatacioni problemi termoelektrana II (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Vladimir Stevanovic - Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade COGENERATION FROM COAL: EXAMPLES FROM EU, STATUS AND POSSIBLE DEVELOPMENT IN SERBIA
9^{30} – 9^{45}	Vitomir Kravarušić, dipl inž, EPS - TE TO Novi Sad STRATEŠKO PARTNERSTVO I DOKAPITALIZACIJA – POSLOVNO TEHNIČKA TRANSAKCIJA ZA OBEZBEDJENJE IZGRADNJE VISOKO EFIKASNOG KOGENERATIVNOG POSTROJENJA U NOVOM SADU
9^{45} – 10^{00}	Milan Ivanović, Saša Minić - Electrical Engineering Institute Nikola Tesla, Koste Glavinića 8a, Belgrade, Miloš Kostić - MT-Komex doo, Ulica oslobođenja 22b, Beograd TECHNO - ECONOMIC ANALYSIS OF CONNECTING COGENERATION PLANT TO THE DISTRIBUTIVE NETWORK
10^{00} – 10^{15}	Siniša Kisić, Dipl.Ing.E.E., Bojan Milinković, Dipl.Ing.E.E. - Energoprojekt Entel p.l.c., Belgrade PHYSICAL AND TECHNICAL SECURITY IMPROVEMENTS ON TE-KO "KOSTOLAC" / REŠAVANJA FIZIČKO TEHNIČKE ZAŠTITE TERMOELEKTRANA I KOPOVA NA PRIMERU TE-KO KOSTOLAC
10^{15} – 10^{30}	Mirjana Laković*, Milica Jović*, Slobodan Laković*, Mladen Stojiljković* - Mašinski fakultet u Nišu, ul. A. Medvedeva 14, 18000 Niš* THE CHOICE OF HYDRAULIC LOAD IN A POWER PLANT COOLING TOWER
10^{30} – 10^{45}	Branislav Grbović - Borovac International Pty Ltd, Perth, Australija, Jadranka Vukašinović - PD RB Kolubara, Lazarevac, Srbija, Miroslav Spasojević - Termoelektrana Nikola Tesla A, Obrenovac, Srbija ČIŠĆENJE KOLUBARSKIH LIGNITA OD JALOVIH PRIMESA
10^{45} – 11^{00}	Dubrovskiy V.A., Isakov Yu.V., Potylitsyn M.Yu., Potapov I.I., Shirokov V.N. - The Federal State Autonomous Educational Establishment of Higher Professional Education (FSAEE HPE) «Siberian Federal University» RESEARCH OF EFFICIENCY OF OBTAINING WATER-COAL FUEL BY THE ELECTROHYDRAULIC METHOD
11^{45} – 12^{30}	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**

9^{00}	**PREDAVANJA po sesijama/ SESSIONS LECTURES Sale na III spratu Biznis centra** Sesija: Energy efficiency and effective operation of power plants (paralelni rad - sala će biti definisana)
9^{00} – 9^{30}	**Pozivno predavanje:** Srđan V. Belošević - Institute of Nuclear Sciences Vinča, University of Belgrade, Laboratory for Thermal Engineering and Energy, PO Box 522, 11001 Belgrade, Serbia NUMERICAL ANALYSIS OF PROCESSES FOR CLEAN AND EFFICIENT EXPLOITATION OF UTILITY BOILER FURNACE
9^{30} – 9^{45}	Dragan Tucaković - Mašinski fakultet Beograd, Titoslav Živanović - Mašinski fakultet Beograd, Goran Stupar - Mašinski fakultet Beograd, Miloš Banjac - Mašinski fakultet Beograd, Srđan Belošević - Institut za nuklearne nauke Vinča, Nenad Crnomarković - Institut za nuklearne nauke Vinča, Ivan Tomanović - Institut za nuklearne nauke Vinča, Vladimir Beljanski - Institut za nuklearne nauke Vinča KORISNIČKI SOFTVER ZA TERMIČKI PRORAČUN
9^{45} – 10^{00}	Dragan Tucaković - Mašinski fakultet u Beogradu, Goran Stupar - Mašinski fakultet u Beogradu, Titoslav Živanović - Mašinski fakultet u Beogradu, Miloš Banjac - Mašinski fakultet u Beogradu, Srđan Belošević - Institut za nuklearne nauke Vinča, Nenad Crnomarković - Institut za nuklearne nauke Vinča, Ivan Tomanović - Institut za nuklearne nauke Vinča, Vladimir Beljanski - Institut za nuklearne nauke Vinča UTICAJ POJEDINIH PARAMETARA NA EFIKASNOST RADA ENERGETSKOG PARNOG KOTLA BLOKA 2 U TE KOSTOLAC B
10^{00} – 10^{15}	Nenad Đ. Crnomarković, Miroslav A. Sijerčić, Srđan V. Belošević - Institute of Nuclear Sciences Vinča, University of Belgrade, P. O. Box 522, 11001 Belgrade, Serbia, Dragan R. Tucaković, Titoslav V. Živanović - Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11001 Belgrade, Serbia NUMERICAL PREDICTION OF THE PULVERIZED COAL FLAME RADIATIVE PROPERTIES FOR DIFFERENT NUMBER OF FRAGMENTED CHAR PARTICLES
10^{15} – 10^{30}	Vinko L. Babić - Univerzitet u Banjoj Luci, Mašinski fakultet, Titoslav Živanović - Univerzitet u Beogradu, Mašinski fakultet, Žarko Stevanović - Univerzitet u Beogradu, Institut za nuklearne nauke Vinča, Laboratorija za termotehniku i enregetiku, Zdravko N. Milovanović - Univerzitet u Banjoj Luci, Mašinski fakultet NUMERICAL SIMULATION OF THE FLOW IN COAL POWDER INERTIAL SEPARATOR
10^{30} – 10^{45}	M.S. Kozić - VTI, Belgrade, Serbia, S.S. Ristić, M.A. Puharić, B.T. Katavić - Institut Goša, Belgrade, Serbia CFD ANALYSIS OF CENTRIFUGAL SEPARATOR BLADE ANGLE INFLUENCE ON PULVERIZED COAL DISTRIBUTION AT THE BURNERS
10^{45} – 11^{00}	V. B. Beljanski, I. D., S. V., M. A. Sijerčić, B. D., N. Đ., A. D. Stojanović - Institute of Nuclear Sciences Vinca, Laboratory for Thermal Engineering and Energy, University of Belgrade, P.O. Box 522, 11001, Belgrade, Serbia SULFATION REACTION MODELING OF CA-BASED SORBENT
11^{15} – 11^{30}	I.D. Tomanovic, V. B. Beljanski, S. V. Belosevic, M. A. Sijercic, B. D. Stankovic, N. Dj. Crnomarkovic, A. D. Stojanovic - Vinca Institute of Nuclear Sciences, University of Belgrade, Mike Alasa 12 – 14 11001, Belgrade, Serbia MODELLING AND OPTIMISATION OF DESUPLHURISATION PROCESS BY DIRECT SORBENT INJECTION IN FURNACE OF PULVERISED COAL UTILITY BOILER
11^{30} – 11^{45}	Goran, Gradimir Ilić, Mića, Milan Banić, Gordana Stefanović - University of Niš, Faculty of Mechanical Engineering, Niš, A. Medvedeva 14, Serbia CFD SIMULATION OF ENTROPY GENERATION IN PIPELINE FOR STEAM TRANSPORT IN REAL INDUSTRIAL PLANT
11^{45} – 12^{30}	**Pauza za kafu u holu ispred bifea na I spratu Biznis Centra / Coffee break**
12^{30} – 13^{00}	**Closing ceremony / Zatvaranje konferencije**